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Renaud J. Lecoeuche

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EXAMINER

COLUCCI, MICHAEL C

ART UNIT

PAPER NUMBER

2626

NOTIFICATION DATE

DELIVERY MODE

12/23/2010

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.	Applicant(s)	
	10/755,623	LECOEUCHE, RENAUD J.	
	Examiner	Art Unit	
	MICHAEL C. COLUCCI	2626	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 November 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5,7,9-11,14,15,18,20 and 22-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,5,7,9-11,14,15,18,20 and 22-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicants arguments with respect to claims 1, 5, 7, 9 -11, 14, 15, 18, 20, and 22-24 have been considered but are moot in view of the new grounds of rejection.

Examiner has withdrawn Bangalore et al. US 20050135571 A1 (hereinafter Bangalore), wherein the claim language is no longer directed to completion of fields in a form.

Examiner instead incorporates Guo et al. US 7610556 B2 (hereinafter Guo) to address audible dialog with a change in order such as providing consecutive audible prompts to address both a response and additional information from a user. Guo specifically handles additional responses to a single prompt based on dialog and not fields within a form only. Guo is directed to audible prompting for out of order sequences when secondary dialogs take place, such as sub dialogs. Guo teaches a system that actively provides the user with useful information related to a particular topic, wherein execution of a particular sub-task may be interrupted by the user when the user initiates a sub-dialog. In that event, the system will begin again to continue on with its previous tasks after completion of the sub-dialog (Guo [0076]). Additionally, Tackett et al. US 6615111 B2 (hereinafter Tackett) has been incorporated to address dialog based servers and clients in place of Albayrak.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 5, 7, 9-11, 14, 15, 18, 20, and 22-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Alpdemir US 20020035474 A1 (hereinafter Alpdemir) in view of Tackett et al. US 6615111 B2 (hereinafter Tackett) and further in view of Guo et al. US 7610556 B2 (hereinafter Guo).

Re claims 1 and 26, Alpdemir teaches a computer readable storage medium having instructions, which when executed on a computer generate client side markup ([0140]) for a client in a client/server system, the instructions comprising:

a module, when executed on a process of a computer associated with the client, creates a dialog with a user ([0139]) using client side markup generated as a function of a set of controls, wherein the client side markup includes markup related to audible prompting of a plurality of questions ([0226]) and markup related to a grammar for recognition ([0169]) as a function of responses from the user ([0143-0144]), wherein the client side markup is adapted to prioritize prompting of the plurality of questions ([0337-0339]) and generate audible prompts for the plurality of questions in a selected order as

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related to an order of the controls ([0222 & 02223] & Fig. 5 ordered set of commands/responses)

wherein using the client side markup, the dialog follows the selected order of prompting to provide audible prompts to the user for one or more of the plurality of questions and receive one or more responses to the audible prompts from the user ([0222 & 02223] & Fig. 5 ordered set of commands/responses)

wherein the dialog departs from the selected order to provide an additional prompt ([0143-0144])

when a response provided by the user to a previous audible prompt that given in the selected order includes both the previous audible prompt and additional information that is not an answer to the prompt that was given,

wherein the additional prompt is provided to the user concerning the additional information before the dialog returns to the selected order to provide a next audible prompt that follows the previous audible prompt in the selected before returning to the selected order

However, Alpdemir fails to teach maintaining, in a stack, a reference to the one or more semantic items in the semantic map associated with the additional information

a client side markup for a client in a client/server system

a semantic map includes a plurality of semantic items that maintain information related to responses received from the user for the questions in the dialog wherein the dialog

following the selected order to generate one or more audible prompts for one or more of the questions

receiving a user response to one of the audible prompt that includes an answer to a question associated with the audible prompt and additional information provided in the user response with the answer, the additional information not being an answer to the question

storing values for the answer and the additional information in the semantic map, wherein the answer is associated with one or more semantic items in the semantic map and the additional information is associated with one or more semantic items in the semantic map

Tackett teaches well known uses of dialog interaction with a system in a client and server system (Tackett Fig. 3).

Further, Tackett teaches the use of stack to remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Alpdemir to incorporate a client side markup for a client in a client/server system as taught by Guo to allow for the use of a remote computer system or chat server (Tackett Fig. 3), wherein a system can remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37).

However, Alpdemir in view of Tackett fails to teach when a response provided by the user to a previous audible prompt that given in the selected order includes both the previous audible prompt and additional information that is not an answer to the prompt that was given,

wherein the additional prompt is provided to the user concerning the additional information before the dialog returns to the selected order to provide a next audible prompt that follows the previous audible prompt in the selected before returning to the selected order

Guo teaches a system that actively provides the user with useful information related to a particular topic, wherein execution of a particular sub-task may be interrupted by the user when the user initiates a sub-dialog. In that event, the system will begin again to continue on with its previous tasks after completion of the sub-dialog (Guo [0076]).

Further, Guo demonstrates this concept, where a user responds to a prompt by including information about the prompt (i.e. introduction) and an interest in another topic. Further, the system begins a prompt explaining about a meridian gate (9) and the user asks for the height (10), the system then responds with the height (11) and continues where it left off at (9) at (13) [0041-0055]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Alpdemir in view of Tackett to incorporate when a response provided by the user to a previous audible prompt that given in the

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selected order includes both the previous audible prompt and additional information that is not an answer to the prompt that was given, and wherein the additional prompt is provided to the user concerning the additional information before the dialog returns to the selected order to provide a next audible prompt that follows the previous audible prompt in the selected before returning to the selected order as taught by Guo to allow for a particular sub-task that may be interrupted by the user when the user initiates a sub-dialog, wherein a system will begin again to continue on with its previous tasks after completion of the sub-dialog (Guo [0076]).

Re claim 5, Alpdemir teaches the computer readable storage medium of claim 1 wherein one of the controls provides means for defining a confirmation for generating markup related to confirming that a recognized result is correct ([0191]).

Re claims 7, 14, and 29, Alpdemir teaches the computer readable storage medium of claim 1 wherein the module maintains information related to an order of responses received from the user, and wherein the module departs from the selected order ([0337-0339]) to provide a prompt related to a previous [RLI0] response from the user in the information ([0143-0144]).

However, Alpdemir in view of Tackett fails to teach providing a prompt related to a previous [RLI0] response from the user.

Guo teaches a system that actively provides the user with useful information related to a particular topic, wherein execution of a particular sub-task may be interrupted by the user when the user initiates a sub-dialog. In that event, the system will begin again to continue on with its previous tasks after completion of the sub-dialog (Guo [0076]).

Further, Guo demonstrates this concept, where a user responds to a prompt by including information about the prompt (i.e. introduction) and an interest in another topic. Further, the system begins a prompt explaining about a meridian gate (9) and the user asks for the height (10), the system then responds with the height (11) and continues where it left off at (9) at (13) [0041-0055]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Alpdemir in view of Tackett to incorporate providing a prompt related to a previous [RLI0] response from the user as taught by Guo to allow for a particular sub-task that may be interrupted by the user when the user initiates a sub-dialog, wherein a system will begin again to continue on with its previous tasks after completion of the sub-dialog (Guo [0076]).

Re claims 9 and 30, Alpdemir teaches the computer readable storage medium of claim 8 wherein module maintains the information related to an order of responses ([0337-0339]) received from the user as a stack.

However, Alpdemir fails to teach an order of responses received from the user as a stack

Tackett teaches well known uses of dialog interaction with a system in a client and server system (Tackett Fig. 3).

Further, Tackett teaches the use of stack to remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Alpdemir to incorporate an order of responses received from the user as a stack as taught by Guo to allow for the use of a remote computer system or chat server (Tackett Fig. 3), wherein a system can remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37).

Re claims 10, 20, 28, and 31, Alpdemir fails to teach the computer readable storage medium of claim 9 wherein the stack is of selected length such that the oldest information related to the oldest received response is removed when information is received related to the latest response from the user.

Tackett teaches well known uses of dialog interaction with a system in a client and server system (Tackett Fig. 3).

Further, Tackett teaches the use of stack to remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Alpdemir to incorporate the stack is of selected length such that the oldest information related to the oldest received response is removed when information is received related to the latest response from the user as taught by Guo to allow for the use of a remote computer system or chat server (Tackett Fig. 3), wherein a system can remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37).

Re claim 11, Alpdemir teaches a computer implemented method for performing recognition and/or audible prompting on a client in a client/server system, the method comprising:

receiving client side markup, the client die markup including markup related to audible prompts of questions and markup related to a grammar used for recognition as a function of responses from a user ([0139]), wherein the markup defines selected order of the questions ([0226])to prioritize prompting of the questions in a dialog with a user ([0337-0339])

creating the dialog on a client as a function of execution of the client side markup related to the controls using a processor of a computer, wherein

a semantic map includes a plurality of semantic items that maintain information related to responses received from the user for the questions in the dialog wherein the dialog, wherein creating the dialog comprises:

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following the selected order to generate one or more audible prompts for one or more of the questions

receiving a user response to one of the audible prompt that includes an answer to a question associated with the audible prompt and additional information provided in the user response with the answer, the additional information not being an answer to the question

However, Alpdemir fails to teach maintaining, in a stack, a reference to the one or more semantic items in the semantic map associated with the additional information

a client side markup for a client in a client/server system

a semantic map includes a plurality of semantic items that maintain information related to responses received from the user for the questions in the dialog wherein the dialog

following the selected order to generate one or more audible prompts for one or more of the questions

receiving a user response to one of the audible prompt that includes an answer to a question associated with the audible prompt and additional information provided in the user response with the answer, the additional information not being an answer to the question

storing values for the answer and the additional information in the semantic map, wherein the answer is associated with one or more semantic items in the semantic map

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and the additional information is associated with one or more semantic items in the semantic map

Tackett teaches well known uses of dialog interaction with a system in a client and server system (Tackett Fig. 3).

Further, Tackett teaches the use of stack to remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Alpdemir to incorporate a client side markup for a client in a client/server system, use of stack to maintain semantic entities, a semantic map includes a plurality of semantic items that maintain information related to responses received from the user for the questions in the dialog wherein the dialog , as well as storing values for the answer and the additional information in the semantic map, wherein the answer is associated with one or more semantic items in the semantic map and the additional information is associated with one or more semantic items in the semantic map as taught by Guo to allow for the use of a remote computer system or chat server (Tackett Fig. 3), wherein a system can remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37).

However, Alpdemir in view of Tackett fails to teach following the selected order to generate one or more audible prompts for one or more of the questions

receiving a user response to one of the audible prompt that includes an answer to a question associated with the audible prompt and additional information provided in the user response with the answer, the additional information not being an answer to the question

before proceeding with a next question that follows the question in the selected order, departing from the selected order of the questions by accessing stack and identifying the one or more semantic items associated with the additional information and, in response, generating an additional audible prompt that is related to the additional information,

after the user has provided a response to the additional audible prompt, returning to the selected order of the questions to generate a next audible prompt for the next question

Guo teaches a system that actively provides the user with useful information related to a particular topic, wherein execution of a particular sub-task may be interrupted by the user when the user initiates a sub-dialog. In that event, the system will begin again to continue on with its previous tasks after completion of the sub-dialog (Guo [0076]).

Further, Guo demonstrates this concept, where a user responds to a prompt by including information about the prompt (i.e. introduction) and an interest in another

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topic. Further, the system begins a prompt explaining about a meridian gate (9) and the user asks for the height (10), the system then responds with the height (11) and continues where it left off at (9) at (13) [0041-0055]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Alpdemir in view of Tackett to incorporate following the selected order to generate one or more audible prompts for one or more of the questions, receiving a user response to one of the audible prompt that includes an answer to a question associated with the audible prompt and additional information provided in the user response with the answer, the additional information not being an answer to the question, before proceeding with a next question that follows the question in the selected order, departing from the selected order of the questions by accessing stack and identifying the one or more semantic items associated with the additional information and, in response, generating an additional audible prompt that is related to the additional information, after the user has provided a response to the additional audible prompt, returning to the selected order of the questions to generate a next audible prompt for the next question as taught by Guo to allow for a particular sub-task that may be interrupted by the user when the user initiates a sub-dialog, wherein a system will begin again to continue on with its previous tasks after completion of the sub-dialog (Guo [0076]).

Re claims 15 and 27, Alpdemir teaches the computer implemented method of claim 14 wherein the set of controls includes an attribute to indicate whether a response to a prompt will be maintained in the information related to the order of responses received from the user ([0337-0339]), and wherein creating the dialog includes maintaining information related to an order of responses received from the user as a function of the corresponding attribute for a prompt ([0226]).

Re claim 18, computer implemented method of claim 14, wherein defining a dialog includes logic for modifying the maintained information related to an order of responses received from the user ([0337-0339]), and wherein creating the dialog includes modifying the maintained information pursuant to the logic ([0213]).

Re claim 22, Alpdemir teaches the system of claim 20 wherein the ordered list is indicative of a list of semantic items ([0250-0338] & Fig. 5, examples illustrating prompt and response in a dialog environment, where the best matching data to a user response is selected from a set of data).

Re claim 23, Alpdemir fails to teach the computer implemented method of claim 1, wherein the stack maintains references to a plurality of the semantic items in a manner to indicate when the plurality of semantic items have been modified, to reflect responses received, relative to one another.

Tackett teaches well known uses of dialog interaction with a system in a client and server system (Tackett Fig. 3).

Further, Tackett teaches the use of stack to remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Alpdemir to incorporate the stack maintains references to a plurality of the semantic items in a manner to indicate when the plurality of semantic items have been modified, to reflect responses received, relative to one another as taught by Guo to allow for the use of a remote computer system or chat server (Tackett Fig. 3), wherein a system can remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37).

Re claim 24, Alpdemir fails to teach the computer implemented method of claim 23, wherein departing from the selected order comprises accessing the stack and identifying a first semantic item referenced in the stack, the first semantic item having been modified more recently than other semantic items referenced in the stack

Tackett teaches well known uses of dialog interaction with a system in a client and server system (Tackett Fig. 3).

Further, Tackett teaches the use of stack to remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Alpdemir to incorporate accessing the stack and identifying a first semantic item referenced in the stack, the first semantic item having been modified more recently than other semantic items referenced in the stack as taught by Guo to allow for the use of a remote computer system or chat server (Tackett Fig. 3), wherein a system can remember the meaning and order of spoken information with an automated system for execution at a later time (Tackett Col. 35 lines 15-37).

Re claim 25, Alpdemir in view of Tackett fails to teach the computer implemented method of claim 11, comprising:

receiving a first user response to the audible prompt from a first user, the first user response comprising an answer to the question associated with the audible prompt and a first combination of additional information, the first

combination of additional information not being an answer to the question;

departing from the selected order of the questions by generating a first series of additional audible prompts related to the first combination of additional information;

receiving a second user response to the audible prompt from a second user, the second user response comprising an answer to the question associated with the audible

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prompt and a second combination of additional information, the second combination of additional information not being an answer to th

question and being different than the first combination of additional information;
and

departing from the selected order of the questions by generating a second series of additional audible prompts related to the second combination of additional information, the second series of additional audible prompts being different than the first series of additional audible prompts

Guo teaches a system that actively provides the user with useful information related to a particular topic, wherein execution of a particular sub-task may be interrupted by the user when the user initiates a sub-dialog. In that event, the system will begin again to continue on with its previous tasks after completion of the sub-dialog (Guo [0076]).

Further, Guo demonstrates this concept, where a user responds to a prompt by including information about the prompt (i.e. introduction) and an interest in another topic. Further, the system begins a prompt explaining about a meridian gate (9) and the user asks for the height (10), the system then responds with the height (11) and continues where it left off at (9) at (13) [0041-0055]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Alpdemir in view of Tackett to incorporate receiving a first user response to the audible prompt from a first user, the first user response comprising an answer to the question associated with the audible prompt and

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a first combination of additional information, the first combination of additional information not being an answer to the question; departing from the selected order of the questions by generating a first series of additional audible prompts related to the first combination of additional information; receiving a second user response to the audible prompt from a second user, the second user response comprising an answer to the question associated with the audible prompt and a second combination of additional information, the second combination of additional information not being an answer to the question and being different than the first combination of additional information; and departing from the selected order of the questions by generating a second series of additional audible prompts related to the second combination of additional information, the second series of additional audible prompts being different than the first series of additional audible prompts as taught by Guo to allow for a particular sub-task that may be interrupted by the user when the user initiates a sub-dialog, wherein a system will begin again to continue on with its previous tasks after completion of the sub-dialog (Guo [0076]).

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL C. COLUCCI whose telephone number is (571)270-1847. The examiner can normally be reached on 8:30 am - 5:00 pm , Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on (571)-272-7602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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